



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	3382-55827-01
	Application Number	09/771,371
	Filing Date	January 26, 2001
	First Named Inventor	Kadatch
	Art Unit	2655
	Examiner Name	Jakieda R. Jackson

### U.S. PATENT DOCUMENTS

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,414,796	5.9.1995	Jacobs et al.
		5,586,200	12.17.1996	Devaney et al.
		5,623,424	4.22.1997	Azadegan et al.
		5,926,226	7.20.1999	Proctor et al.
		6,160,846	12.12.2000	Chiang et al.
		6,212,232	4.3.2001	Reed et al.
		6,243,497	6.5.2001	Chiang et al.
		6,278,735	8.21.2001	Mohsenian
		6,522,693	2.18.2003	Lu et al.
		6,654,417	11.25.2003	Hui
		6,654,419	11.25.2003	Sriram et al.
		US-2002/0176624	11.28.2002	Kostrzewski et al.
		US-2003/0110236	6.12.2003	Yang et al.
		US-2005/0015528	1.20.2005	Du
		US-2005/0084166	4.21.2005	Boneh et al.

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EXAMINER SIGNATURE: 	DATE CONSIDERED: 1/10/06
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KBK:iar 09/20/05 3382-55827-01 148491.1

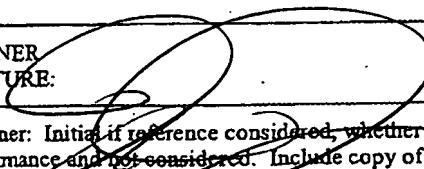
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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,706,260	11.10.1987	Fedele et al.
		4,954,892	9.4.1990	Asai et al.
		5,089,889	2.18.1992	Sugiyama
		5,235,618	8.10.1993	Sakai et al.
		5,317,672	5.31.1994	Crossman et al.
		5,661,755	8.26.1997	Van De Kerkhof et al.
		5,787,203	7.28.1998	Lee et al.
		5,825,310	10.20.1998	Tsutsui
		5,933,451	8.3.1999	Ozkan et al.
		6,058,362	5.2.2000	Malvar
		6,182,034	1.30.2001	Malvar
		6,240,380	5.29.2001	Malvar
		6,473,409	10.29.2002	Malvar
		6,728,317	4.27.2004	Demos
		6,810,083	10.26.2004	Chen et al.
		6,895,050	5.17.2005	Lee

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Information Disclosure Statement (1449) Page 1 of 2

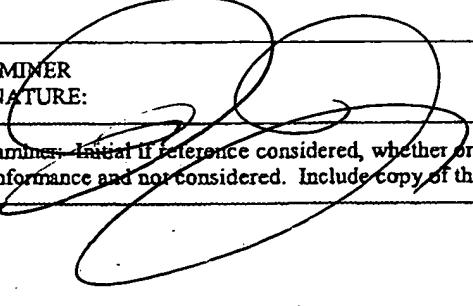
KBR:jar 09/20/05 3382-55827-01 148491.1

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**U.S. PATENT APPLICATION DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant
		US 2003-0125932	7.30.2003	Wang et al.

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Information Disclosure Statement (1449) Page 2 of 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Docket: 3382-55827		App: 
		Applicant: Kadatch		
		Filed:	Art Unit:	

## U.S. PATENT DOCUMENTS

Init.*	Number	Date	Name	Class	Sub	Filed
	6,029,126	2/22/2000	Malvar			
	5,742,735	4/21/1998	Eberlein et al.			
	5,579,430	11/26/1996	Grill et al.			
	5,819,215	10/6/1998	Dobson et al.			
	4,051,470	9/27/1977	Esteban et al.			

## FOREIGN PATENT DOCUMENTS

	Number	Date	Country	Class	Sub

## OTHER DOCUMENTS

		Baron et al., <i>"Coding the Audio Signal,"</i> Digital Image and Audio Communications, 1996, pp. 101-128. <i>Munir</i>
		Cheung et al., <i>"A Comparison of Scalar Quantization Strategies for Noisy Data Channel Data Transmission,"</i> IEEE Transactions on Communications, vol. 43, no. 2/3/4, pp. 738-42 (April 1995).
		Crisafulli et al., <i>"Adaptive Quantization: Solution via Nonadaptive Linear Control,"</i> IEEE Transactions on Communications, vol. 41, pp. 741-48 (May 1993).
EXAMINER:		DATE 213104

\*Examiner Initial if considered, whether or not in conformance with MPEP 60;  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Docket: 3382-55827	App: PRO
		Applicant: Kadatch	
		Filed:	Art Unit: 16841
<b>OTHER DOCUMENTS</b>			
<p>Dalgić et al., "Characterization of Quality and Traffic for Various Video Encoding Schemes and Various Encoder Control Schemes," Technical Report No. CSL-TR-96-701 (August 1996).</p>			
<p>Gibson et al., <u>Digital Compression for Multimedia</u>, Chapter 4, "Quantization," pp. 113-138 (1998). <i>re mult</i></p>			
<p>Gibson et al., <u>Digital Compression for Multimedia</u>, Chapter 8, "Frequency Domain Speech and Audio Coding Standards," pp. 263-290 (1998).</p>			
<p>Gibson et al., <u>Digital Compression for Multimedia</u>, Chapter 11.4, "MPEG Audio," pp. 398-402 (1998).</p>			
<p>ISO/IEC 13818-7, "Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information, Part 7: Advanced Audio Coding (AAC)," pp. i-iv, 1-145, ISO/IEC (1997).</p>			
<p>ISO/IEC 13818-7, Technical Corrigendum 1, "Information Technology -- Generic Coding of Moving Pictures and Associated Audio Information, Part 7: Advanced Audio Coding (AAC), Technical Corrigendum" pp. 1-22, ISO/IEC (1997).</p>			
<p>Wu et al., "Entropy-Constrained Scalar Quantization and Minimum Entropy with Error Bound by Discrete Wavelet Transforms in Image Compression," IEEE Transactions on Signal Processing, vol. 48, no. 4, pp. 1133-43 (April 2000).</p>			
<p>Naveen et al., "Subband Finite State Scalar Quantization," IEEE Transactions on Image Processing, vol. 5, no. 1, pp. 150-155 (January 1996).</p>			
<p>Ortega et al., "Adaptive Scalar Quantization Without Side Information," IEEE Transactions on Image Processing, vol. 6, no. 5, pp. 665-676 (May 1997).</p>			
EXAMINER:	DATE: 07/31/04		
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Docket: 3382-55827	App: <i>PRO</i>
			Applicant: Kadatch	
			Filed:	Art Unit: <i>3641</i>
<b>OTHER DOCUMENTS</b>				
			Ratnakar et al., "RD-OPT: An Efficient Algorithm for Optimizing DCT Quantization Tables," 11 pp.	
			Sidiropoulos, "Optimal Adaptive Scalar Quantization and Image Compression," ICIP '98, pp. 574-78 (1998). <i>Complete cited not found</i>	
			Sullivan, "Optimal Entropy Constrained Scalar Quantization for Exponential and Laplacian Random Variables," ICASSP '94, pp. V-265 - V-268 (1994).	
			Trushkin, "On the Design on an Optimal Quantizer," IEEE Transactions on Information Theory, vol. 39, no. 4, pp. 1180-94 (July 1993).	
			Wong, "Progressively Adaptive Scalar Quantization," ICIP '96, pp. 357-60 (1996).	
			Wu et al., "Quantizer Monotonicities and Globally Optimally Scalar Quantizer Design," IEEE Transactions on Information Theory, vol. 39, no. 3, pp. 1049-53 (May 1993).	
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EXAMINER: <i>[Signature]</i>			DATE: <i>8/3/04</i>	

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**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
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Docket: 3382-55827 App: 09/771,371

Applicant: Andrew V. Kadatch

Filed: January 26, 2001 Art Unit: 2641

**U.S. PATENT DOCUMENTS**

Init.	Number	Date	Name	Class	Sub	Filed
	5,835,149	11/10/98	Asile			
	6,182,034 B1	01/30/01	Malvar			

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MAY 9 2001  
U.S. PATENT AND TRADEMARK OFFICE  
2001

**FOREIGN PATENT DOCUMENTS**

	Number	Date	Country	Class	Sub	

**OTHER DOCUMENTS**

		Jafarkhani, H., et al., "Entropy-Constrained Successively Refinable Scalar Quantization," <i>IEEE Data Compression Conf.</i> , pp 337-346 (1997). <i>✓ JUN 10 2001</i>
		International Organization for Standardization, "MPEG-4 Video Verification Model version 18.0," ISO/IEC JTC1/SC29/WG11 N3908, January 2001, Pisa, pp. 1-10, 299-311 (January 2001).

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 <b>OPI INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>		Docket: 3382-55827		App: 09/771,371	
		Applicant: Kadatch		<b>RECEIVED</b> Art Unit: 264 JUN 24 2002	
		Filed: January 26, 2001			
<b>U.S. PATENT DOCUMENTS</b>					
Init.*	Number	Date	Name	Class	Sub
	5,686,964	11.11.97	Tabatabai et al.	348	420
	5,845,243	12.01.98	Smart et al.	704	230
	5,995,151	11.30.99	Naveen et al.	348	420
	6,115,689	09.05.00	Malvar	704	503
<b>OTHER DOCUMENTS</b>					
	ISO/IEC 11172-3, Information Technology -- Coding of Moving Pictures and Associated Audio for Digital Storage Media at Up to About 1.5 Mbit/s -- Part 3: Audio, 154 pp. (1993). <i>new m18</i>				
	Dolby Laboratories, "AAC Technology," 4 pp. [Downloaded from the web site aac-audio.com on World Wide Web on November 21, 2001.]				
	Srinivasan et al., "High-Quality Audio Compression Using an Adaptive Wavelet Packet Decomposition and Psychoacoustic Modeling," <i>IEEE Transactions on Signal Processing</i> , Vol. 46, No. 4, pp. 1085-93 (April 1998).				
	Caetano et al., "Rate Control Strategy for Embedded Wavelet Video Coders," <i>Electronics Letters</i> , pp. 1815-17 (October 14, 1999).				
	Ribas Corbera et al., "Rate Control in DCT Video Coding for Low-Delay Communications," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 9, No. 1, pp. 172-85 (February 1999).				
	Fraunhofer-Gesellschaft, "MPEG Audio Layer-3," 4 pp. [Downloaded from the World Wide Web on October 24, 2001.]				
EXAMINER:	DATE <i>8/31/04</i>				
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.					

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<b>Examiner's Initials*</b>		<b>OTHER DOCUMENTS</b>	
		Advanced Television Systems Committee, "ATSC Standard: Digital Audio Compression (AC-3), Revision A," pp. 1-140 (August 2001).	
		Gibson et al., "Chapter 7: Frequency Domain Coding," Digital Compression for Multimedia, Title Page, Contents, Morgan Kaufman Publishers, Inc., pp. iii, v-xi, and 227-262 (1998).	
		ITU, Recommendation ITU-R BS 1115, Low Bit-Rate Audio Coding, 9 pp. (1994).	
		Jayant et al., "Digital Coding of Waveforms, Principles and Applications to Speech and Video," Prentice Hall, pp. 428-445 (1984).	
		Ortega et al., "Optimal Buffer-constrained Source Quantization and Fast Approximation," IEEE, pp. 192-195 (1992).	
		Phamdo, "Speech Compression," 13 pp. [Downloaded from the World Wide Web on November 25, 2001.]	
		Ramchandran et al., "Bit Allocation for Dependent Quantization with Applications to MPEG Video Coders," IEEE, pp. v-381 – v-384 (1993).	
		Solari, "Chapter 8: Sound and Audio," Digital Video and Audio Compression, Title Page, Contents, McGraw-Hill, Inc., pp. iii, v-vi, and 187-211 (1997).	
		Westerink et al., "Two-pass MPEG-2 Variable-bit-rate Encoding," IBM J. Res. Develop., Vol. 43, No. 4, pp. 471-488 (1999).	

<b>EXAMINER SIGNATURE:</b> 	<b>DATE CONSIDERED:</b> 4/29/05
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